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(US). POMMIER, Yves, G. [US/US]; 8102 Maple Ridge Road, Bethesda, MD 20814 (US).

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(74) Agent: ADDISON, Bradford, G.; Barnes & Thornburg, 11 South Meridian Street, Indianapolis, IN 46204 (US).

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(71) Applicants (for all designated States except US): PURDUE RESEARCH FOUNDATION [US/US]; 3000 Kent Avenue, West Lafayette, IN 47906 (US). THE GOVERNMENT OF THE UNITED STATES OF AMERICA as represented by THE DEPARTMENT OF HEALTH AND HUMAN SERVICES [US/US]; c/o National Institute of Health, Suite 325, 6011 Executive Boulevard, Rockville, MD 20852 (US).

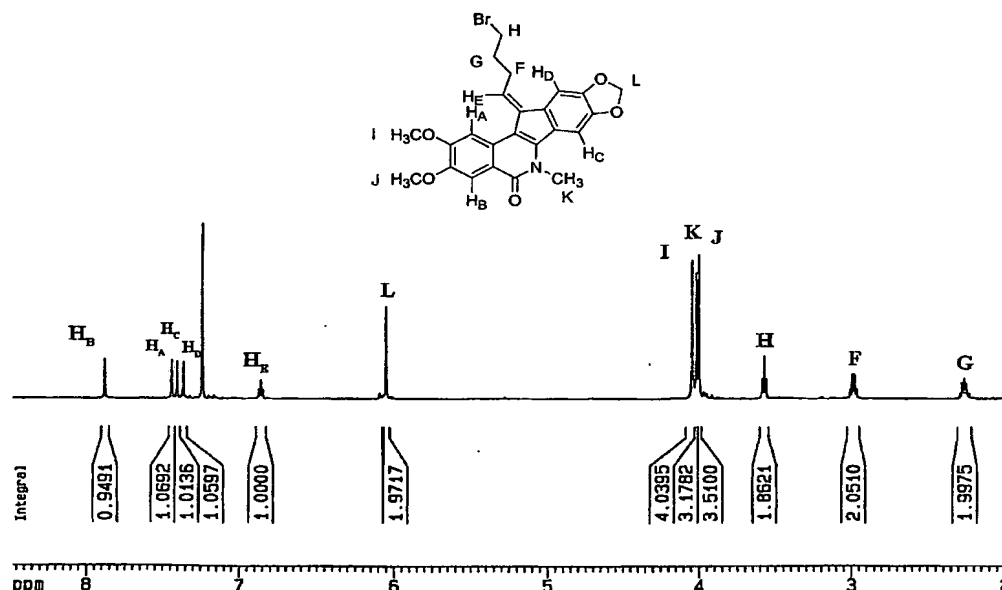
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(72) Inventors; and

(75) Inventors/Applicants (for US only): CUSHMAN, Mark, S. [US/US]; 136 Rockland Drive, West Lafayette, IN 47906

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(54) Title: CYTOTOXIC INDENO AND ISOINDOLOISOQUINOLONES



(57) Abstract: The synthesis and biological activity of benzoisoidindoloisoquinolone compounds are described. The synthesis and biological activity of C-11-substituted indenoisoquinolones are also described. Indenoisoquinolones substituted at C-11 are prepared by McMurry reactions of 11-ketoindenoisoquinolones with aldehydes.

**Declarations under Rule 4.17:**

- *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for the following designations* AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, *ARIPO patent* (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), *Eurasian patent* (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), *European patent* (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), *OAPI patent* (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG)
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